

ABSTRACT

A device, system, and method for direct delivery of a therapeutic to a target site that utilizes the non-Newtonian characteristics of shear thinning and shear thickening to allow easy passage of a therapeutic through a delivery lumen yet facilitate retention of the therapeutic in the target site. The device, system, and method includes increasing the shear rate or shear stress of a non-Newtonian fluid having therapeutic properties thereby increasing or decreasing the viscosity of the non-Newtonian fluid.

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